EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"5981190".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 09:44
L2	893	(karyotype or karyotyping and aneuploidy) and eukaryot$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:17
L3	587	L2 and @ad<="20021155"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:21
L4	28	L3 and ((test and (reference or control)) adj cell)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:17
L5	25	L4 and ((genomic or tag or nucleotide or (nucleic adj acid)) adj sequence)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:18
L6	0	L5 and ((200kb or ("200" adj kb)) adj window)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:18
L7	0	L5 and ((200kb or ("200" adj kb)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:16
L8	0	L4 and ((200kb or ("200" adj kb)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:16
L9	85	L3 and ((200kb or ("200" adj kb)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:18

EAST Search History

L10	0	L9 and ((test and (reference or control)) adj cell)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:16
L11	85	L9 and ((genomic or tag or nucleotide or (nucleic adj acid)) adj sequence)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:16
L12	1832	(karyotype or karyotyping or aneuploidy) and eukaryot$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:19
L13	1272	L12 and @ad<="20021155"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:17
L14	117	L13 and ((test and (reference or control)) adj cell)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:25
L15	113	L14 and ((genomic or tag or nucleotide or (nucleic adj acid)) adj sequence)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:18
L16	0	L15 and ((200kb or ("200" adj kb)) adj window)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:18
L17	0	L15 and ((200kb or ("200" adj kb)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:19
L18	0	L14 and ((200kb or ("200" adj kb)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:21
L19	125	L13 and ((200kb or ("200" adj kb)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:19

EAST Search History

L20	266	(method same (karyotype or karyotyping)) and eukaryot$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:43
L21	147	L20 and @ad<="20021155"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:21
L22	4	L21 and ((200kb or ("200" adj kb)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:44
L23	11	L20 and ((200kb or ("200" adj kb)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:24
L24	0	L22 and ((test and (reference or control)) adj cell)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:25
L25	2	L23 and ((test and (reference or control)) adj cell)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:25
L26	75	(method same (karyotype or karyotyping)same (genome or genomic)) and eukaryot$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON.	2006/05/01 10:49
L27	8	L26 and ((200kb or ("200" adj kb)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:45
L28	1	L26 and ((count or enumerate) with (tags or pieces or probes))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:45
L29	1	L26 and ((count or enumerate or tabulate) with (tags or pieces or probes))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:49

L30	0	L29 and ((200kb or ("200" adj kb)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:57
L31	765	(method same (karyotype or karyotyping))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:49
L32	30	L31 and ((count or enumerate or tabulate) with (tags or pieces or probes))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 11:06
L33	4	L32 and ((200kb or ("200" adj kb)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 10:49
L34	114	L31 and ((sequence adj tag) or (nucleotide adj tag) or GST or (genomic adj sequence adj tag))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 11:02
L35	25	L34 and ((restriction adj endonuclease adj recognition adj site) or (restriction adj endonuclease adj recognition) or (restriction adj enzyme adj recognition adj site) or (restriction adj enzyme adj site))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 11:04
L36	1	L35 and (((test adj cell) or (test adj genome)) and ((reference adj cell) or (reference adj cell)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 11:02
L39	0	L34 and ((((200kb or ("200" adj kb)) or (40kb or ("40" adj kb)) or (600kb or ("600" adj kb)) or (4Mb or ("4" adj Mb)))) adj (window or span))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 11:09
L40	55	L31 and (((200kb or ("200" adj kb)) or (40kb or ("40" adj kb)) or (600kb or ("600" adj kb)) or (4Mb or ("4" adj Mb))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 11:01

EAST Search History

L41	13	L40 and (((test adj cell) or (test adj genome)) and ((reference adj cell) or (reference adj cell)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 11:02
L42	12	L41 and (((sequence adj tag) or (nucleotide adj tag) or GST or (genomic adj sequence adj tag)) or ((genomic or tag or nucleotide or (nucleic adj acid)) adj sequence))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 11:04
L44	101	L31 and ((restriction adj endonuclease adj recognition adj site) or (restriction adj endonuclease adj recognition) or (restriction adj enzyme adj recognition adj site) or (restriction adj enzyme adj site) or SacI or NlaIII or BcgI or MmeI)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 11:06
L45	1	L44 and ((count or enumerate or tabulate) with (tags or pieces or probes))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 11:12
L46	0	L44 and (((((200kb or ("200" adj kb)) or (40kb or ("40" adj kb)) or (600kb or ("600" adj kb)) or (4Mb or ("4" adj Mb)))) adj (window or span))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 11:10
L47	3	L44 and (((((200kb or ("200" adj kb)) or (40kb or ("40" adj kb)) or (600kb or ("600" adj kb)) or (4Mb or ("4" adj Mb)))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 11:10
L48	77	L44 and ((hereditary adj (disorder or disease)) or (infectious adj disease) or cancer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 11:11
L49	0	L48 and ((count or enumerate or tabulate) with (tags or pieces or probes))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/01 11:12

Trying 31060000009999...Open

DIALOG INFORMATION SERVICES
PLEASE LOGON:
 ******* HHHHHHHH SSSSSSSS? ### Status: Signing onto Dialog *******
ENTER PASSWORD:
 ******* HHHHHHHH SSSSSSSS? *******
Status: Login successfulWelcome to DIALOG

Dialog level 05.11.05D

Last logoff: 26apr06 13:52:54
Logon file405 01may06 10:17:16
                *** ANNOUNCEMENTS ***
                      ***
NEW FILES RELEASED
***Regulatory Affairs Journals (File 183)
***Index Chemicus (File 302)
***Inspec (File 202)

RESUMED UPDATING
***File 141, Reader's Guide Abstracts
                      ***
RELOADS COMPLETED
***File 516, D&B--Dun's Market Identifiers
***File 523, D&B European Dun's Market Identifiers
***File 531, American Business Directory
*** MEDLINE has been reloaded with the 2006 MeSH (Files 154 & 155)
*** The 2005 reload of the CLAIMS files (Files 340, 341, 942)
is now available online.

                      ***
Chemical Structure Searching now available in Prous Science Drug
Data Report (F452), Prous Science Drugs of the Future (F453),
IMS R&D Focus (F445/955), Pharmaprojects (F128/928), Beilstein
Facts (F390), Derwent Chemistry Resource (F355) and Index Chemicus
(File 302).
                      ***
 >>>For the latest news about Dialog products, services, content<<<
 >>>and events, please visit What's New from Dialog at <<<
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 >>>a specific database by entering HELP NEWS <file number>.<<<
 * * *
SYSTEM:HOME
Cost is in DialUnits
Menu System II: D2 version 1.7.9 term=ASCII
                 *** DIALOG HOMEBASE(SM) Main Menu ***

 Information:
  1. Announcements (new files, reloads, etc.)
  2. Database, Rates, & Command Descriptions
  3. Help in Choosing Databases for Your Topic
  4. Customer Services (telephone assistance, training, seminars, etc.)
  5. Product Descriptions

 Connections:
  6. DIALOG(R) Document Delivery
  7. Data Star(R)

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Enter an option number to view information or to connect to an online
 service. Enter a BEGIN command plus a file number to search a database
(e.g., B1 for ERIC).
?
Terminal set to DLINK
                    *** DIALOG HOMEBASE(SM) Main Menu ***

 Information:
  1. Announcements (new files, reloads, etc.)
  2. Database, Rates, & Command Descriptions
  3. Help in Choosing Databases for Your Topic
  4. Customer Services (telephone assistance, training, seminars, etc.)
  5. Product Descriptions

 Connections:
  6. DIALOG(R) Document Delivery
  7. Data Star(R)

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     /H = Help   /L = Logoff   /NOMENU = Command Mode

Enter an option number to view information or to connect to an online
 service. Enter a BEGIN command plus a file number to search a database
(e.g., B1 for ERIC).
? b biosci

>>>   44 is unauthorized
>>>   76 is unauthorized
>>>2 of the specified files are not available
       01may06 10:17:23 User276741 Session D133.1
             $0.00   0.214 DialUnits FileHomeBase
     $0.00   Estimated cost FileHomeBase
     $0.02   TELNET
     $0.02   Estimated cost this search
     $0.02   Estimated total session cost   0.214 DialUnits

SYSTEM:OS - DIALOG OneSearch
   File   5:Biosis Previews(R) 1969-2006/Apr W4
         (c) 2006 BIOSIS
   File 24:CSA Life Sciences Abstracts 1966-2006/Mar
         (c) 2006 CSA.
   File 28:Oceanic Abstracts 1966-2006/Mar
         (c) 2006 CSA.
   File 34:SciSearch(R) Cited Ref Sci 1990-2006/Apr W3
         (c) 2006 Inst for Sci Info
   File 35:Dissertation Abs Online 1861-2006/Apr.
         (c) 2006 ProQuest Info&Learning
   File 40:Enviroline(R) 1975-2006/Mar
   File 41:Pollution Abstracts 1966-2006/Mar
         (c) 2006 CSA.
   File 50:CAB Abstracts 1972-2006/Mar
         (c) 2006 CAB International
   File 65:Inside Conferences 1993-2006/Apr 28
         (c) 2006 BLDSC all rts. reserv.
   File 71:ELSEVIER BIOBASE 1994-2006/Apr W5

```
            (c) 2006  Elsevier Science B.V.
   File  73:EMBASE 1974-2006/May 01
            (c) 2006 Elsevier Science B.V.
   File  91:MANTIS(TM) 1880-2006/Feb
          2006 (c) Action Potential
   File  94:JICST-EPlus 1985-2006/Feb W1
            (c)2006 Japan Science and Tech Corp(JST)
   File  98:General Sci Abs 1984-2004/Dec
            (c) 2005 The HW Wilson Co.
   File 110:WasteInfo 1974-2002/Jul
            (c)   2002 AEA Techn Env.
*File 110: This file is closed (no updates)
   File 135:NewsRx Weekly Reports 1995-2006/Apr W4
            (c) 2006 NewsRx
   File 136:BioEngineering Abstracts 1966-2006/Mar
            (c) 2006 CSA.
   File 143:Biol. & Agric. Index 1983-2006/Mar
            (c) 2006 The HW Wilson Co
   File 144:Pascal 1973-2006/Apr W2
            (c) 2006 INIST/CNRS
   File 155:MEDLINE(R) 1951-2006/May 03
            (c) format only 2006 Dialog
   File 164:Allied & Complementary Medicine 1984-2006/Apr
            (c) 2006 BLHCIS
   File 172:EMBASE Alert 2006/May 01
            (c) 2006 Elsevier Science B.V.
   File 185:Zoological Record Online(R) 1978-2006/May
            (c) 2006 BIOSIS
   File 357:Derwent Biotech Res. _1982-2006/Apr W4
            (c) 2006 Thomson Derwent & ISI
   File 369:New Scientist 1994-2006/Sep W1
            (c) 2006 Reed Business Information Ltd.
   File 370:Science 1996-1999/Jul W3
            (c) 1999 AAAS
*File 370: This file is closed (no updates). Use File 47 for more current
information.
   File 391:Beilstein Reactions 2006/Q1
            (c) 2005 Beilstein GmbH
   File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
            (c) 1998 Inst for Sci Info
   File 467:ExtraMED(tm) 2000/Dec
            (c) 2001 Informania Ltd.
*File 467: F467 will close on February 1, 2006.                    7.


      Set  Items  Description
      ---  -----  -----------
? s (method (s) (karyotype or karyotyping))
         8990351   METHOD
          131204   KARYOTYPE
           56255   KARYOTYPING
      S1   5934    (METHOD (S) (KARYOTYPE OR KARYOTYPING))
? s s1 and ((test and (reference or control)) (w) cell)
Processing
Processed  10 of  29 files ...
Processing
Processed  20 of  29 files ...
Completed processing all files
           5934   S1
        4851845   TEST
        1161336   REFERENCE
        9587432   CONTROL
```

```
         13879396  CELL
             2000  (TEST AND (REFERENCE OR CONTROL))(W)CELL
     S2          3  S1 AND ((TEST AND (REFERENCE OR CONTROL)) (W) CELL)
? rd

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.
     S3          3  RD  (unique items)
? s s3 and ((genomic or tag or nucleotide or (nucleic (w) acid)) (w) sequence)
Processing
Processed  10 of  29 files ...
Processing
Completed processing all files
             3  S3
        579895  GENOMIC
         90667  TAG
       1331728  NUCLEOTIDE
        661864  NUCLEIC
      11986172  ACID
        541592  NUCLEIC(W)ACID
       3492911  SEQUENCE
        655734  (((GENOMIC OR TAG) OR NUCLEOTIDE) OR
                  NUCLEIC(W)ACID)(W)SEQUENCE
     S4          1  S3 AND ((GENOMIC OR TAG OR NUCLEOTIDE OR (NUCLEIC (W)
                  ACID)) (W) SEQUENCE)
? t s4/free

 4/8/1      (Item 1 from file: 357)
0343662  DBR Accession No.: 2004-15954
Digital karyotyping a genome of a test eukaryotic cell comprises isolating
    and enumerating short sequence tags from specific genomic loci and
    comparing the sequence tags to a genome of a  reference   cell  - using
    bioinformatics for human cancer cell karyotyping for use in disease
    diagnosis, therapy and genomics  2004
? s s1 and ((genomic or tag or nucleotide or (nucleic (w) acid)) (w) sequence)
Processing
Processed  20 of  29 files ...
Completed processing all files
          5934  S1
        579895  GENOMIC
         90667  TAG
       1331728  NUCLEOTIDE
        661864  NUCLEIC
      11986172  ACID
        541592  NUCLEIC(W)ACID
       3492911  SEQUENCE
        655734  (((GENOMIC OR TAG) OR NUCLEOTIDE) OR
                  NUCLEIC(W)ACID)(W)SEQUENCE
     S5         74  S1 AND ((GENOMIC OR TAG OR NUCLEOTIDE OR (NUCLEIC (W)
                  ACID)) (W) SEQUENCE)
? s s5 and ((((200kb or ("200" (w) kb)) or (40kb or ("40" (w) kb)) or (600kb
or ("600" (w) kb)) or (4Mb or ("4" (w) Mb))) ) )
Processing
Processed  10 of  29 files ...
Processing
Processed  20 of  29 files ...
Completed processing all files
            74  S5
           102  200KB
       1099242  200
```

```
            343680  KB
              3102  200(W)KB
               108  40KB
           2802791  40
            343680  KB
              3626  40(W)KB
                31  600KB
            339800  600
            343680  KB
              1094  600(W)KB
               424  4MB
          20170163  4
            107987  MB
              2767  4(W)MB
     S6        1    S5 AND ((((200KB OR ("200" (W) KB)) OR (40KB OR ("40" (W)
                    KB)) OR (600KB OR ("600" (W) KB)) OR (4MB OR ("4" (W)
                    MB))) ) )
```

? t s6/free

6/8/1   (Item 1 from file: 357)
0343662 DBR Accession No.: 2004-15954
**Digital karyotyping a genome of a test eukaryotic cell comprises isolating
    and enumerating short sequence tags from specific genomic loci and
    comparing the sequence tags to a genome of a reference cell - using
    bioinformatics for human cancer cell karyotyping for use in disease
    diagnosis, therapy and genomics 2004**
? s s1 and ((count or enumerate or tabulate) (w)(tags or pieces or probes))
```
              5934  S1
            587149  COUNT
              8331  ENUMERATE
              1973  TABULATE
             49899  TAGS
            103655  PIECES
            455040  PROBES
                 7  ((COUNT OR ENUMERATE) OR TABULATE)(W)((TAGS OR PIECES) OR
                    PROBES)
     S7        0    S1 AND ((COUNT OR ENUMERATE OR TABULATE) (W)(TAGS OR
                    PIECES OR PROBES))
```
? s s1 and (((sequence (w) tag) or (nucleotide (w)tag) or GST or (genomic (w)
sequence (w) tag)) or ((genomic or tag or nucleotide or (nucleic (w) acid))
(w) sequence))
Processing
Processed 10 of 29 files ...
Completed processing all files
```
              5934  S1
           3492911  SEQUENCE
             90667  TAG
             18540  SEQUENCE(W)TAG
           1331728  NUCLEOTIDE
             90667  TAG
                53  NUCLEOTIDE(W)TAG
             61336  GST
            579895  GENOMIC
           3492911  SEQUENCE
             90667  TAG
                 5  GENOMIC(W)SEQUENCE(W)TAG
            579895  GENOMIC
             90667  TAG
           1331728  NUCLEOTIDE
            661864  NUCLEIC
          11986172  ACID
```

```
           541592   NUCLEIC(W)ACID
          3492911   SEQUENCE
           655734   (((GENOMIC OR TAG) OR NUCLEOTIDE) OR
                     NUCLEIC(W)ACID)(W)SEQUENCE
    S8        75     S1 AND (((SEQUENCE (W) TAG) OR (NUCLEOTIDE (W)TAG) OR GST
                     OR (GENOMIC (W) SEQUENCE (W) TAG)) OR ((GENOMIC OR TAG OR
                     NUCLEOTIDE OR (NUCLEIC (W) ACID)) (W) SEQUENCE))
? s s8 and ((restriction (w) endonuclease (w) recognition (w) site) or
(restriction (w) endonuclease (w) recognition) or (restriction (w) enzyme (w)
recognition (w) site) or (restriction (w) enzyme (w) site) or SacI or NlaIII
or BcgI or MmeI)
Processing
Processed  10 of  29 files ...
Completed processing all files
              75     S8
           690035    RESTRICTION
           120352    ENDONUCLEASE
          1081484    RECOGNITION
          3171822    SITE
              257    RESTRICTION(W)ENDONUCLEASE(W)RECOGNITION(W)SITE
           690035    RESTRICTION
           120352    ENDONUCLEASE
          1081484    RECOGNITION
              664    RESTRICTION(W)ENDONUCLEASE(W)RECOGNITION
           690035    RESTRICTION
          4217353    ENZYME
          1081484    RECOGNITION
          3171822    SITE
              246    RESTRICTION(W)ENZYME(W)RECOGNITION(W)SITE
           690035    RESTRICTION
          4217353    ENZYME
          3171822    SITE
             1462    RESTRICTION(W)ENZYME(W)SITE
             3342    SACI
              582    NLAIII
              133    BCGI
               65    MMEI
    S9         2     S8 AND ((RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION (W)
                     SITE) OR (RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION)
                     OR (RESTRICTION (W) ENZYME (W) RECOGNITION (W) SITE) OR
                     (RESTRICTION (W) ENZYME (W) SITE) OR SACI OR NLAIII OR
                     BCGI OR MMEI)
    ? ds

Set      Items    Description
S1       5934     (METHOD (S) (KARYOTYPE OR KARYOTYPING))
S2          3     S1 AND ((TEST AND (REFERENCE OR CONTROL)) (W) CELL)
S3          3     RD  (unique items)
S4          1     S3 AND ((GENOMIC OR TAG OR NUCLEOTIDE OR (NUCLEIC (W) ACID-
                  )) (W) SEQUENCE)
S5         74     S1 AND ((GENOMIC OR TAG OR NUCLEOTIDE OR (NUCLEIC (W) ACID-
                  )) (W) SEQUENCE)
S6          1     S5 AND (((("200KB" OR ("200" (W) KB)) OR (40KB OR ("40" (W) -
                  KB)) OR (600KB OR ("600" (W) KB)) OR (4MB OR ("4" (W) MB))) )
                  )
S7          0     S1 AND ((COUNT OR ENUMERATE OR TABULATE) (W) (TAGS OR PIECES
                  OR PROBES))
S8         75     S1 AND (((SEQUENCE (W) TAG) OR (NUCLEOTIDE (W)TAG) OR GST -
                  OR (GENOMIC (W) SEQUENCE (W) TAG)) OR ((GENOMIC OR TAG OR NUC-
                  LEOTIDE OR (NUCLEIC (W) ACID)) (W) SEQUENCE))
S9          2     S8 AND ((RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION (W) -
```

? rd

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.
     S10   2 RD (unique items)
? t s10/medium/all

 10/3/1   (Item 1 from file: 357)
DIALOG(R)File 357:Derwent Biotech Res.
(c) 2006 Thomson Derwent & ISI. All rts. reserv.

0379012 DBR Accession No.: 2005-24718   PATENT
Restriction enzyme tag concatemer nucleic acid library useful for
    identifying pathogen and detecting expression of desired transcripts,
    in biological sample, comprises several concatemers having Type IIB
    restriction enzyme tags - restriction enzyme tag concatemer DNA library
    for use in disease diagnosis and genome mapping
AUTHOR: MEYERSON M L;   TENGS T
PATENT ASSIGNEE: DANA FARBER CANCER INST 2005
PATENT NUMBER: WO 200579357 PATENT DATE: 20050901 WPI ACCESSION NO.:
    2005-591909 (200560)
PRIORITY APPLIC. NO.: US 545047 APPLIC. DATE: 20040217
NATIONAL APPLIC. NO.: WO 2005US4571 APPLIC. DATE: 20050215
LANGUAGE: English

 10/3/2   (Item 2 from file: 357)
DIALOG(R)File 357:Derwent Biotech Res.
(c) 2006 Thomson Derwent & ISI. All rts. reserv.

0343662 DBR Accession No.: 2004-15954   PATENT
Digital karyotyping a genome of a test eukaryotic cell comprises isolating
    and enumerating short sequence tags from specific genomic loci and
    comparing the sequence tags to a genome of a reference cell - using
    bioinformatics for human cancer cell karyotyping for use in disease
    diagnosis, therapy and genomics
AUTHOR: WANG T;   VELCULESCU V;   KINZLER K;   VOGELSTEIN B ·
PATENT ASSIGNEE: UNIV JOHNS HOPKINS 2004
PATENT NUMBER: US 20040096892 PATENT DATE: 20040520 WPI ACCESSION NO.:
    2004-389156 (200436)
PRIORITY APPLIC. NO.: US 705874 APPLIC. DATE: 20031113
NATIONAL APPLIC. NO.: US 705874 APPLIC. DATE: 20031113
LANGUAGE: English
? s s8 and ((hereditary (w) (disorder or disease)) or (infectious (w) disease)
or cancer)
Processing
Processed 10 of 29 files ...
Processing
Completed processing all files
             75 S8
      247964 HEREDITARY
     1979919 DISORDER
    12746172 DISEASE
       27057 HEREDITARY(W)(DISORDER OR DISEASE)
     1157491 INFECTIOUS
    12746172 DISEASE

```
             299220    INFECTIOUS(W)DISEASE
            4037448    CANCER
        S11      19    S8 AND ((HEREDITARY (W) (DISORDER OR DISEASE)) OR
                       (INFECTIOUS (W) DISEASE) OR CANCER)
? rd

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.
        S12      17    RD  (unique items)
? s s12 and ((count or enumerate or tabulate) (w)(tags or pieces or probes))
                 17    S12
             587149    COUNT
               8331    ENUMERATE
               1973    TABULATE
              49899    TAGS
             103655    PIECES
             455040    PROBES
                  7    ((COUNT OR ENUMERATE) OR TABULATE)(W)((TAGS OR PIECES) OR
                       PROBES)
        S13       0    S12 AND ((COUNT OR ENUMERATE OR TABULATE) (W)(TAGS OR
                       PIECES OR PROBES))
? ds

Set     Items    Description
S1      5934     (METHOD (S) (KARYOTYPE OR KARYOTYPING))
S2         3     S1 AND ((TEST AND (REFERENCE OR CONTROL)) (W) CELL)
S3         3     RD  (unique items)
S4         1     S3 AND ((GENOMIC OR TAG OR NUCLEOTIDE OR (NUCLEIC (W) ACID-
                 )) (W) SEQUENCE)
S5        74     S1 AND ((GENOMIC OR TAG OR NUCLEOTIDE OR (NUCLEIC (W) ACID-
                 )) (W) SEQUENCE)
S6         1     S5 AND ((((200KB OR ("200" (W) KB)) OR (40KB OR ("40" (W) -
                 KB)) OR (600KB OR ("600" (W) KB)) OR (4MB OR ("4" (W) MB))) )
                 )
S7         0     S1 AND ((COUNT OR ENUMERATE OR TABULATE) (W)(TAGS OR PIECES
                 OR PROBES))
S8        75     S1 AND (((SEQUENCE (W) TAG) OR (NUCLEOTIDE (W)TAG) OR GST -
                 OR (GENOMIC (W) SEQUENCE (W) TAG)) OR ((GENOMIC OR TAG OR NUC-
                 LEOTIDE OR (NUCLEIC (W) ACID)) (W) SEQUENCE))
S9         2     S8 AND ((RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION (W) -
                 SITE) OR (RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION) OR (R-
                 ESTRICTION (W) ENZYME (W) RECOGNITION (W) SITE) OR (RESTRICTI-
                 ON (W) ENZYME (W) SITE) OR SACI OR NLAIII OR BCGI OR MMEI)
S10        2     RD  (unique items)
S11       19     S8 AND ((HEREDITARY (W) (DISORDER OR DISEASE)) OR (INFECTI-
                 OUS (W) DISEASE) OR CANCER)
S12       17     RD  (unique items)
S13        0     S12 AND ((COUNT OR ENUMERATE OR TABULATE) (W)(TAGS OR PIEC-
                 ES OR PROBES))
? s (dimers or ditags) and (eukaryot?? (s) genome)
             128715    DIMERS
                 78    DITAGS
             593355    EUKARYOT??
             793687    GENOME
              25771    EUKARYOT??(S)GENOME
        S14     154    (DIMERS OR DITAGS) AND (EUKARYOT?? (S) GENOME)
? s s14 and ((restriction (w) endonuclease (w) recognition (w) site) or
(restriction (w) endonuclease (w) recognition) or (restriction (w) enzyme (w)
recognition (w) site) or (restriction (w) enzyme (w) site) or SacI or NlaIII
or BcgI or MmeI)
```

```
Processing
Processed  20 of  29 files ...
Completed processing all files
            154  S14
         690035  RESTRICTION
         120352  ENDONUCLEASE
        1081484  RECOGNITION
        3171822  SITE
            257  RESTRICTION(W)ENDONUCLEASE(W)RECOGNITION(W)SITE
         690035  RESTRICTION
         120352  ENDONUCLEASE
        1081484  RECOGNITION
            664  RESTRICTION(W)ENDONUCLEASE(W)RECOGNITION
         690035  RESTRICTION
        4217353  ENZYME
        1081484  RECOGNITION
        3171822  SITE
            246  RESTRICTION(W)ENZYME(W)RECOGNITION(W)SITE
         690035  RESTRICTION
        4217353  ENZYME
        3171822  SITE
           1462  RESTRICTION(W)ENZYME(W)SITE.
           3342  SACI
            582  NLAIII
            133  BCGI
             65  MMEI
     S15        2  S14 AND ((RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION
                   (W) SITE) OR (RESTRICTION (W) ENDONUCLEASE (W)
                   RECOGNITION) OR (RESTRICTION (W) ENZYME (W) RECOGNITION
                   (W) SITE) OR (RESTRICTION (W) ENZYME (W) SITE) OR SACI OR
                   NLAIII OR BCGI OR MMEI)
? rd

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.
     S16        2  RD  (unique items)
? t s16/medium/all
```

 16/3/1   (Item 1 from file: 98)
DIALOG(R)File 98:General Sci Abs
(c) 2005 The HW Wilson Co. All rts. reserv.

04050517   H.W. WILSON RECORD NUMBER: BGSA99050517   (USE FORMAT 7 FOR
FULLTEXT)
Giant viruses infecting algae.
AUGMENTED TITLE: review
Van Etten, James L
Meints, Russel H
Annual Review of Microbiology v. 53 (1999) p. 447-94
SPECIAL FEATURES: bibl il   ISSN: 0066-4227
 LANGUAGE: English
COUNTRY OF PUBLICATION: United States
WORD COUNT: 22140

 16/3/2 .   (Item 1 from file: 357)
DIALOG(R)File 357:Derwent Biotech Res.
(c) 2006 Thomson Derwent & ISI. All rts. reserv.

0343662 DBR Accession No.: 2004-15954   PATENT

Digital karyotyping a genome of a test eukaryotic cell comprises
    isolating and enumerating short sequence tags from specific genomic
    loci and comparing the sequence tags to a genome of a reference cell
    - using bioinformatics for human cancer cell karyotyping for use in
    disease diagnosis, therapy and genomics
AUTHOR: WANG T; VELCULESCU V; KINZLER K; VOGELSTEIN B
PATENT ASSIGNEE: UNIV JOHNS HOPKINS 2004
PATENT NUMBER: US 20040096892 PATENT DATE: 20040520 WPI ACCESSION NO.:
    2004-389156 (200436)
PRIORITY APPLIC. NO.: US 705874 APPLIC. DATE: 20031113
NATIONAL APPLIC. NO.: US 705874 APPLIC. DATE: 20031113
LANGUAGE: English
? s (concatamer and (dimers or ditags))
              297 CONCATAMER
           128715 DIMERS
               78 DITAGS
     S17   12 (CONCATAMER AND (DIMERS OR DITAGS))
? s s17 and ((restriction (w) endonuclease (w) recognition (w) site) or
(restriction (w) endonuclease (w) recognition) or (restriction (w) enzyme (w)
recognition (w) site) or (restriction (w) enzyme (w) site) or SacI or NlaIII
or BcgI or MmeI)
Processing
Processed 20 of 29 files ...
Completed processing all files
               12 S17
           690035 RESTRICTION
           120352 ENDONUCLEASE
          1081484 RECOGNITION
          3171822 SITE
              257 RESTRICTION(W)ENDONUCLEASE(W)RECOGNITION(W)SITE
           690035 RESTRICTION
           120352 ENDONUCLEASE
          1081484 RECOGNITION
              664 RESTRICTION(W)ENDONUCLEASE(W)RECOGNITION
           690035 RESTRICTION
          4217353 ENZYME
          1081484 RECOGNITION
          3171822 SITE
              246 RESTRICTION(W)ENZYME(W)RECOGNITION(W)SITE
           690035 RESTRICTION
          4217353 ENZYME
          3171822 SITE
             1462 RESTRICTION(W)ENZYME(W)SITE
             3342 SACI
              582 NLAIII
              133 BCGI
               65 MMEI
     S18   3 S17 AND ((RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION
                   (W) SITE) OR (RESTRICTION (W) ENDONUCLEASE (W)
                   RECOGNITION) OR (RESTRICTION (W) ENZYME (W) RECOGNITION
                   (W) SITE) OR (RESTRICTION (W) ENZYME (W) SITE) OR SACI OR
                   NLAIII OR BCGI OR MMEI)
? rd

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.
     S19   3 RD (unique items)
? t s19/medium,k/all

 19/K/1   (Item 1 from file: 357)

0367226 DBR Accession No.: 2005-12933   PATENT
**New isolated oligonucleotides comprising at least one ditag, useful for
    gene identification signature analysis or for gene discovery or genome
    mapping - oligonucleotide isolation for use in gene mapping and gene
    discovery**
AUTHOR: RUAN Y; NG P; WEI C
PATENT ASSIGNEE: AGENCY SCI TECHNOLOGY and RES   2005
PATENT NUMBER: US 20050059022 PATENT DATE: 20050317 WPI ACCESSION NO.:
    2005-240897 (200525)
PRIORITY APPLIC. NO.: US 664234 APPLIC. DATE: 20030917
NATIONAL APPLIC. NO.: US 664234 APPLIC. DATE: 20030917
LANGUAGE: English

...ABSTRACT: It is selected from AarI, AceIII, AloI, BaeI, Bbr7I, BbvI,
    BbvII, BccI, Bce83I, BceAI, BcefI, **BcgI** , BciVI, BfiI, BinI, BplI,
    MmeI , etc. The ditag size is 12-60 bp. The ditag comprises 34-38
    nucleotides and the size of each tag is determined by the use of
    restriction enzyme **MmeI** . The first and second tags have the same or a
    different number of nucleotides. The oligonucleotide consists of 1-1000
    ditags   . Preferred Vector: The vector further comprises the
    above-mentioned 2 adapter sequences flanking the ditag...
... including at least one ditag flanked by the 2 adapters. The method
    further comprises creating **concatamer** of **ditags** . The **ditags** are
    1-1000 **ditags**   . The method further comprises including the
    oligonucleotide comprising the ditag flanked by the adapters in...

... at least one oligonucleotide cited above, where splicing includes
    cleaving the full-length cDNA with **MmeI** which forms 3' overhanging
    tag ends, and ligating the two 5' and 3' termini tags...

 19/K/2   (Item 2 from file: 357)

0344040 DBR Accession No.: 2004-16332   PATENT
**Obtaining a nucleotide sequence tags from termini of nucleic acids, useful
    for novel gene discoveries, comprises linking a first nucleic acid
    sequence to a linker sequence and cleaving it with a nucleic acid
    cleavage enzyme - gene expression profiling technique**
AUTHOR: RUAN Y; WEI C
PATENT ASSIGNEE: AGENCY SCI TECHNOLOGY and RES   2004
PATENT NUMBER: WO 200450918 PATENT DATE: 20040617 WPI ACCESSION NO.:
    2004-450747 (200442)
PRIORITY APPLIC. NO.: GB 200228289 APPLIC. DATE: 20021204
NATIONAL APPLIC. NO.: WO 2003SG255 APPLIC. DATE: 20031204
LANGUAGE: English

...ABSTRACT: site or the second recognition site, or both, comprises a Type
    IIS restriction enzyme recognition **site** . The first restriction enzyme
    comprises Mmel, or in which the first recognition site comprises a...

 19/K/3   (Item 3 from file: 357)

Digital karyotyping a genome of a test eukaryotic cell comprises isolating and enumerating short sequence tags from specific genomic loci and comparing the sequence tags to a genome of a reference cell - using bioinformatics for human cancer cell karyotyping for use in disease diagnosis, therapy and genomics

...ABSTRACT: the genome of the test eukaryotic cell, the portions being
    defined by 1 or 2 **restriction endonuclease recognition** sites; (b)
    enumerating the sequence tags in the population to determine the number
    of individual...

...of a genome of a eukaryotic cell, the portions being defined by 1 or 2
    restriction endonuclease recognition sites, where each of the
    sequence tags consists of a fixed number of nucleotides of...

... of the genome, the fixed number of nucleotides extending from at least
    one of the **restriction endonuclease recognition** sites; and (2) a
    concatamer of **dimers** cited above. BIOTECHNOLOGY - Preferred Method:
    In karyotyping a genome of a test eukaryotic cell, the...

... endonuclease cleavage site at a second end of each portion. The first
    restriction endonuclease is **SacI** and the second restriction
    endonuclease is NlaIII. Recognition or cleavage by the first
    restriction endonuclease is sensitive to DNA methylation. The portions
    are defined by presence of a **BcgI restriction endonuclease
    recognition site** which is flanked by 12 nucleotides on either end.
    The method further comprises identifying aneuploidy...

... to cleave within the defined portions of the genome. The Type IIS
    restriction endonuclease is **MmeI** . The fixed number of nucleotides is
    20-22. USE - The method is useful for determining...

... manufacturers' protocols. For each sample 1microg of genomic DNA was
    sequentially digested with mapping enzyme **SacI** , ligated to 20-40 ng
    of biotinylated linker (5'-biotin-TTTGCAGAGGTTCGTAATC- GAGTTGGGTGAGCT(S
    EQ ID NO...

... Coralville, Iowa) using T4 ligase (Invitrogen, Carlsbad, Calif.), and
    then digested with the fragmenting enzyme **NlaIII** . DNA fragments
    containing biotinylated linkers were isolated by binding to
    streptavidin coated magnetic beads (Dynal...

... steps were similar to those described for LongSAGE of cDNA (18). In
    brief, linkers containing **MmeI** recognition sites were ligated to
    captured DNA fragments, and tags were released with **MmeI** (University
    of Gdansk Center for Technology Transfer, Gdansk, Poland and New
    England Biolabs, Beverly, Mass.). The tags were ligated to form **ditags**
    , and the **ditags** were isolated and then ligated to form concatamers
    which were cloned into pZero (Invitrogen, Carlsbad, Calif.). Sequencing
    of **concatamer** clones was performed using the Big Dye Terminator v3.0
    Kit (Applied Biosystems) and analyzed...

... tags were extracted using the SAGE2000 software package, which
identifies the fragmenting enzyme site between **ditags** , extracts
intervening tags, and records them in a database. Detailed protocols
for performing Digital Karyotyping...
DESCRIPTORS: human colorectal cancer cell digital karyotyping, short
sequence tag enumeration, restriction endonuclease **SacI** , NlaIII, DNA
methylation, DNA copy number det., computer bioinformatic software,
appl. genomics, cancer diagnosis, therapy...
? ds

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Set      Items    Description
S1        5934    (METHOD (S) (KARYOTYPE OR KARYOTYPING))
S2           3    S1 AND ((TEST AND (REFERENCE OR CONTROL)) (W) CELL)
S3           3    RD  (unique items)
S4           1    S3 AND ((GENOMIC OR TAG OR NUCLEOTIDE OR (NUCLEIC (W) ACID-
                  )) (W) SEQUENCE)
S5.         74    S1 AND ((GENOMIC OR TAG OR NUCLEOTIDE OR (NUCLEIC (W) ACID-
                  )) (W) SEQUENCE)
S6           1    S5 AND ((((200KB OR ("200" (W) KB)) OR (40KB OR ("40" (W) -
                  KB)) OR (600KB OR ("600" (W) KB)) OR (4MB OR ("4" (W) MB))) )
                  )
S7           0    S1 AND ((COUNT OR ENUMERATE OR TABULATE) (W)(TAGS OR PIECES
                   OR PROBES))
S8          75    S1 AND (((SEQUENCE (W) TAG) OR (NUCLEOTIDE (W)TAG) OR GST -
                  OR (GENOMIC (W) SEQUENCE (W) TAG)) OR ((GENOMIC OR TAG OR NUC-
                  LEOTIDE OR (NUCLEIC (W) ACID)) (W) SEQUENCE))
S9           2    S8 AND ((RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION (W) -
                  SITE) OR (RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION) OR (R-
                  ESTRICTION (W) ENZYME (W) RECOGNITION (W) SITE) OR (RESTRICTI-
                  ON (W) ENZYME (W) SITE) OR SACI OR NLAIII OR BCGI OR MMEI)
S10          2    RD  (unique items)
S11         19    S8 AND ((HEREDITARY (W) (DISORDER OR DISEASE)) OR (INFECTI-
                  OUS (W) DISEASE) OR CANCER)
S12         17    RD  (unique items)
S13          0    S12 AND ((COUNT OR ENUMERATE OR TABULATE) (W)(TAGS OR PIEC-
                  ES OR PROBES))
S14        154    (DIMERS OR DITAGS) AND (EUKARYOT?? (S) GENOME)
S15          2    S14 AND ((RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION (W)
                  SITE) OR (RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION) OR (R-
                  ESTRICTION (W) ENZYME (W) RECOGNITION (W) SITE) OR (RESTRICTI-
                  ON (W) ENZYME (W) SITE) OR SACI OR NLAIII OR BCGI OR MMEI)
S16          2    RD  (unique items)
S17         12    (CONCATAMER AND (DIMERS OR DITAGS))
S18          3    S17 AND ((RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION (W)
                  SITE) OR (RESTRICTION (W) ENDONUCLEASE (W) RECOGNITION) OR (R-
                  ESTRICTION (W) ENZYME (W) RECOGNITION (W) SITE) OR (RESTRICTI-
                  ON (W) ENZYME (W) SITE) OR SACI OR NLAIII OR BCGI OR MMEI)
S19          3    RD  (unique items)
? save temp
Temp SearchSave "TD231378228" stored
? logoff
        01may06 10:36:34 User276741 Session D133.2
               $22.12    3.749 DialUnits File5
    $22.12   Estimated cost File5
                $5.16    0.832 DialUnits File24
     $5.16   Estimated cost File24
                $0.86    0.139 DialUnits File28
     $0.86   Estimated cost File28
               $50.70    2.160 DialUnits File34
    $50.70   Estimated cost File34
                $1.41    0.344 DialUnits File35
```

```
  $1.41   Estimated cost File35
          $0.84      0.117 DialUnits File40
  $0.84   Estimated cost File40
          $0.72      0.115 DialUnits File41
  $0.72   Estimated cost File41
          $3.98      0.864 DialUnits File50
  $3.98   Estimated cost File50
          $0.74      0.197 DialUnits File65
  $0.74   Estimated cost File65
          $9.60      1.091 DialUnits File71
  $9.60   Estimated cost File71
         $33.83      3.021 DialUnits File73
 $33.83  Estimated cost File73
          $0.49      0.113 DialUnits File91
  $0.49   Estimated cost File91
         ·$5.07      1.448 DialUnits File94
  $5.07   Estimated cost File94
          $1.11      0.261 DialUnits File98
             $1.45  1 Type(s) in Format  3
          $1.45  1 Types
  $2.56   Estimated cost File98
          $0.53      0.092 DialUnits File110
  $0.53   Estimated cost File110
          $1.17      0.217 DialUnits File135
  $1.17   Estimated cost File135
          $0.96      0.155 DialUnits File136
  $0.96   Estimated cost File136
          $0.42      0.139 DialUnits File143
  $0.42   Estimated cost File143
         $10.58      2.351 DialUnits File144
 $10.58  Estimated cost File144
         $10.36      3.046 DialUnits File155
 $10.36  Estimated cost File155
          $0.33      0.096 DialUnits File164
  $0.33   Estimated cost File164
          $1.36      0.121 DialUnits File172
  $1.36   Estimated cost File172
          $1.31      0.213 DialUnits File185
  $1.31   Estimated cost File185
         $19.63      0.880 DialUnits File357
            $15.60   6 Type(s) in Format  3
             $0.00   2 Type(s) in Format  6
          $15.60  8 Types
 $35.23  Estimated cost File357
          $0.34      0.098 DialUnits File369
  $0.34   Estimated cost File369
          $0.43      0.121 DialUnits File370
  $0.43   Estimated cost File370
          $0.00      1.223 DialUnits File391
  $0.00   Estimated cost File391
          $9.49      0.404 DialUnits File434
  $9.49   Estimated cost File434
          $0.68      0.106 DialUnits File467
  $0.68   Estimated cost File467
          OneSearch, 29 files, 23.716 DialUnits FileOS
.  $5.33  TELNET
$216.60  Estimated cost this search
$216.62  Estimated total session cost  23.930 DialUnits


Logoff: level 05.11.05 D  10:36:34
```